AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

 (Currently Amended) A method of manufacturing a holder-mounted optical element, comprising:

disposing cylindrical holder material in a press forming die, the cylindrical holder material having a thin deformable portion;

providing an optical element material comprising an initial volume of the optical element material and a surplus volume of the optical element material inside the cylindrical holder material;

heating the cylindrical holder material, the initial volume of the optical element material, and the surplus volume of the optical <u>element</u> material, to their respective softening temperatures;

press forming the cylindrical holder material, the initial volume of the optical element material and the surplus volume of the optical <u>element</u> material;

the press forming configured to form a cylindrical holder from the cylindrical holder material, and configured to form an optical element from the optical element material;

the press forming configured to integrate the optical element inside the cylindrical holder by applying a pressing force to the optical element material to cause the optical element material to expand outwardly in a convex shape and deform the deformable portion; and

wherein the deformable portion is configured to receive a second volume of optical element material that is equivalent in volume to the surplus volume of the optical element material so that the optical element contains a first volume of optical element material that is equivalent in volume corresponding to the initial volume of the optical element material.

(Original) The method of manufacturing a holder-mounted optical element according to Claim 1,

wherein reference surfaces for installation of the holder-mounted optical element in an optical axis direction and a radial direction are formed as a holder outer shape by press formation of the holder material.

 (Previously Presented) The method of manufacturing a holder-mounted optical element according to Claim 1,

wherein the surplus volume of the optical material is previously added in a precision manner to the initial volume of the optical material required for formation of the optical element.

 (Previously Presented) The method of manufacturing a holder-mounted optical element according to Claim 1,

wherein a side portion of the holder material is made thin and is deformable, and an inside portion of the deformable portion is deformed outwardly by the optical element material under pressure.

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(Previously Presented) The method of manufacturing a holder-mounted optical element according to Claim 1,

wherein a thin collar portion is formed on an inner circumferential side of the holder and serves as the deformable portion, and a portion near an inside tip portion of the deformable portion is pressed by the optical element material.